

Comparisons of Job Characteristics

Focus Occupation: Pump Operators, Except Wellhead Pumpers (53-7072)

Associated Occupation: Chemical Plant and System Operators (51-8091)

Compare Knowledge

Compare Skills

Compare Abilities

Compare Detailed Work Activities

Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 87

Focus Occupation: Pump Operators, Except Wellhead Pumpers (53-7072)

Associated Occupation: Chemical Plant and System Operators (51-8091)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Production and Processing	6.0	17.6	11.3	<<	Extensive education and/or training may be required
Mechanical	6.8	15.1	15.0	0	Current knowledge level may be sufficient
Chemistry	4.8	12.2	7.9	<<	Extensive education and/or training may be required
Computers and Electronics	8.4	11.6	11.7	0	Current knowledge level may be sufficient
Public Safety and Security	6.9	10.5	12.7	>	Current knowledge level is likely sufficient
Physics	4.3	7.2	5.7	<	Expanded education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 91

Focus Occupation: Pump Operators, Except Wellhead Pumpers (53-7072)

Associated Occupation: Chemical Plant and System Operators (51-8091)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Operation Monitoring	6.6	15.9	12.3	<<	Extensive development of skills in this area may be required
Operation and Control	5.4	13.6	10.0	<<	Extensive development of skills in this area may be required
Monitoring	9.9	12.9	10.6	<	A higher skill level may be required
Quality Control Analysis	5.9	11.5	8.4	<<	Extensive development of skills in this area may be required
Repairing	3.4	7.5	7.5	0	Current skill level may be sufficient
Equipment Maintenance	3.5	7.1	7.1	0	Current skill level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 89			
Focus Occupation: Pump Operators, Except Wellhead Pumpers (53-7072) Associated Occupation: Chemical Plant and System Operators (51-8091)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Selective Attention	8.7	12.8	9.2	<<	Extensive improvement in abilities may be required
Far Vision	7.8	11.6	9.2	<	Some improvement in abilities may be required
Perceptual Speed	7.4	11.4	11.8	0	Current ability level may be sufficient
Auditory Attention	5.9	11.1	10.1	0	Current ability level may be sufficient
Hearing Sensitivity	5.6	10.1	8.0	<	Some improvement in abilities may be required
Response Orientation	4.0	8.8	7.9	<	Some improvement in abilities may be required
Speed of Closure	5.9	8.7	6.2	<<	Extensive improvement in abilities may be required
Gross Body Equilibrium	3.2	6.9	6.7	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 85
Focus Occupation: Pump Operators, Except Wellhead Pumpers (53-7072) Associated Occupation: Chemical Plant and System Operators (51-8091)		
Work Activities	Exclusivity of Activity	
Clean equipment or machinery	20	
Collect samples for testing	58	
Inspect machinery or equipment to determine adjustments or repairs needed	42	
Maintain production or work records	19	
Monitor production machinery/equipment operation to detect problems	27	
Operate power driven pumps	66	
Test materials or solutions	73	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

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Associated Occupation: Chemical Plant and System Operators (51-8091)

Tools and Technologies	Exclusivity
Tools and technology data is unavailable for one or both occupations.	

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.